

MONTHLY OPERATIONS REPORT

December 2014

Town of Discovery Bay, CA

1950 Days of Safe Operations

86,924 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

Safety	Hours
Monthly Training consists of: West Region Safety Council Call Monthly Regional Safety Webinar	4.0
Operations	

REPORTS SUBMITTED TO REGULATORY AGENCIES

Monthly Discharge Monitoring Report (DMR)
Monthly electronic State Monitoring Report (eSMR)
Monthly Coliform Report, California Department of Public Health (CDPH)

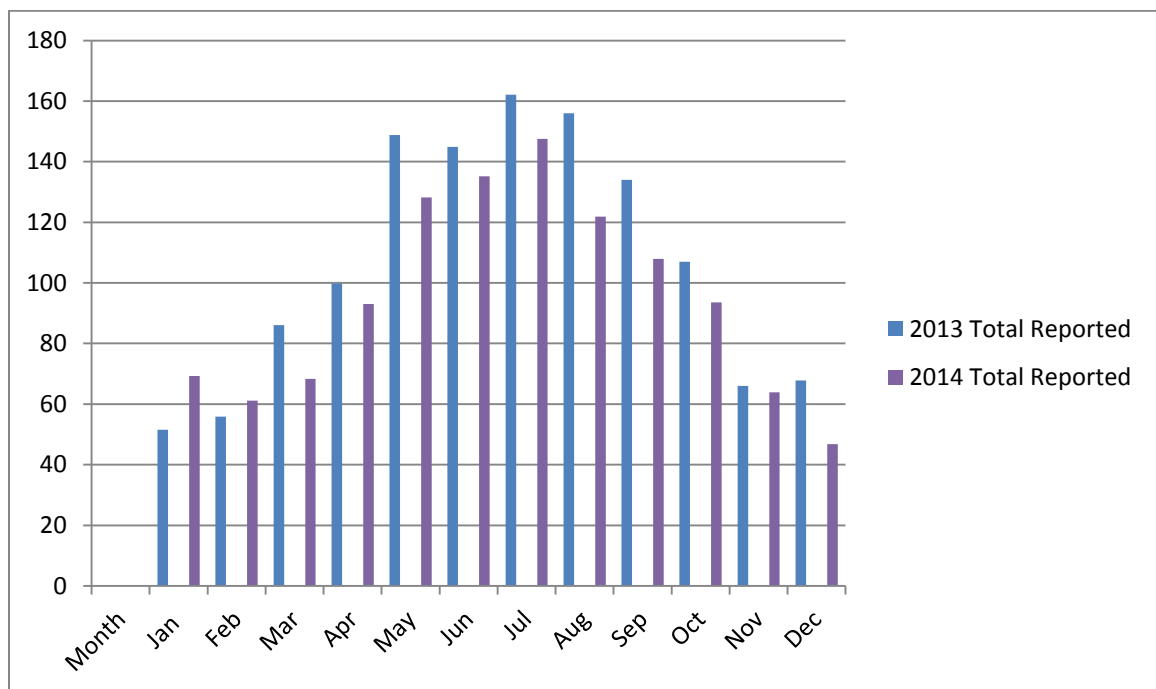
WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	46.8	1360	0

Note: Well 4 in lead and Well 5 in lag to offset specific conductivity

2014 Water Production Table (MG) by Month

January	February	March	April	May	June
69.3	61.1	68.3	92.98	128.2	135.2
July	August	September	October	November	December
147.5	121.9	107.9	93.6	63.9	46.8



Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
20 + 7 Re-samples	2*	0	0

Note * – 2 samples had a false positive had to be re-tested.

WASTEWATER SERVICE

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>November Lab Data</i>	<i>December Lab Data</i>
Flow, MG Effluent, monthly total		38.0	49.7
Flow, MG Daily Influent Flow, avg.	N/A	1.28	1.31
Flow, MG Daily Discharge Flow, avg.	2.1	1.27	1.60
Effluent BOD ₅ , lbs/d, monthly avg.	350	25	50
Effluent TSS, lbs/d, monthly avg.	525	32	40
Effluent BOD ₅ , mg/L, monthly avg.	20	2.5	4
Effluent TSS, mg/L, monthly avg.	30	2.9	3
Total Coli form 7 day Median Max	23	0	2
Total Coli form Daily Maximum	240	7	22
% Removal BOD ₅ , monthly avg.	85% min.	99	98
% Removal, TSS, monthly avg.	85% min.	98	97
Electrical Conductivity, umhos/cm annual avg.	2100	2011	2043

Wastewater Laboratory Analysis

Blue – new parameter added

National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
2	SSO	0	N/A

Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	7-Day Median Excursion
15	0	0	0

# of Active Lift Stations	# of Inactive Lift Stations	Chemical Usage Polymer-gals	SSO	Wastewater Received (MG)
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15	0	62.4	2	40.7
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COLLECTION:

- Flushed 0 ft. of sanitary sewer lines, YTD **19613** ft. **30%** completed
- CCTV **17900** ft. **27%** completed (Deadline is May 2015)
- Inspected 0 manhole & covers. **83** YTD
- Flushing will resume in Feb 2015
- Performed valve exercising
- Performed weekly lift station inspections.

MAINTENANCE:

Preventive and Corrective

Total # of WO's Completed	Total Hours
307	345

Work Order Back-Log

Aging 8 - 30 Days	Aging > 30 Days
20	21

Call & Emergency Responses

Call Outs	Emergencies
8	1

Personnel Hours & Overtime:

Regular Hours	Overtime
1515	67.0

TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT